

# Infinite Scrolling With Mura 7

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# About Me

- Software Consultant ([southofshasta.com](http://southofshasta.com))
  - Software Development, Training, Design
- ColdFusion, C++, Java, jQuery, PHP, .NET, HTML5, Android, SQL, etc...
- Manager of SacInteractive User Group
- Reformed Video Game Developer (Grim Fandango, SimPark, StarWars Rogue Squadron, etc).
- Music Junkie



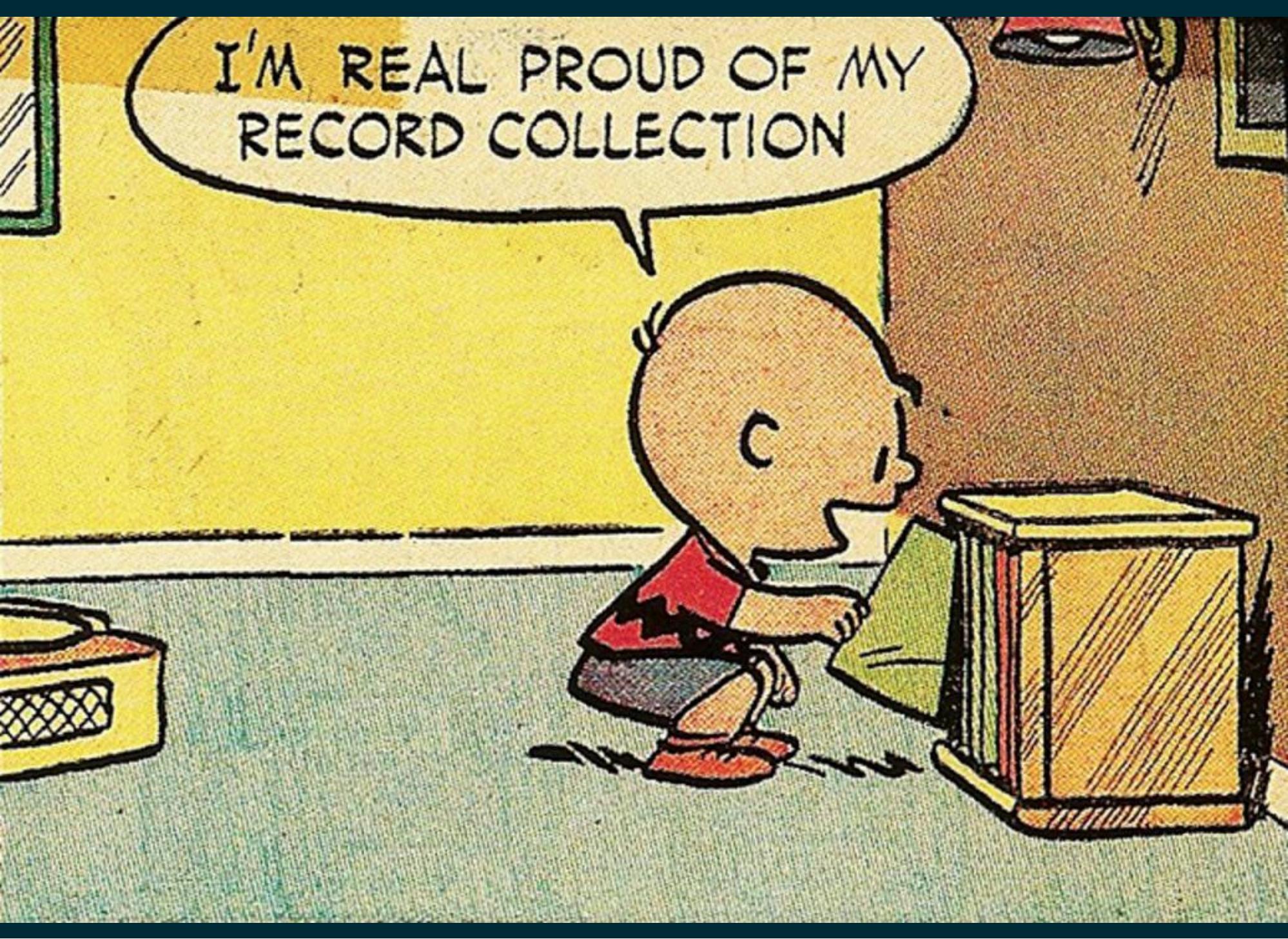








I'M REAL PROUD OF MY  
RECORD COLLECTION





# Today's Agenda

- Content Types
- Display Objects
- Services / Models
- Mura.js
- Putting It All Together
- Real World Example!
- Questions, etc



# Code And Slides

GitHub: nolanerck

mura7-presentations



# Content Types

- Custom layout markup for subtypes
- Make a subtype of Page/BlogEntry
- Create content\_types/page\_blogentry/index.cfm
- Can have custom markup for specific subtypes
- Sample: "page\_songlistings"



# Display Objects

- They live in the dislay\_objects folder
- Site, theme and plugin level
- Needs index.cfm and config.xml.cfm to be loaded in Mura
- Usage: #dspObject( . . . )#
- Example 1: Your First Display Object



# Display Objects

Content of your Display Object gets wrapped with markup:

```
<div class="mura-object">
    <p>This is my first Display Object.</p>
</div>
```

We can use that as a "hook" to manipulate the Display Object via JavaScript (more on that later).



# Display Objects

- objectParams struct for passing in arguments
- Like "attributes" for a Custom Tag
- Any objectParams items become data attributes in the `<div class="mura-object">` wrapper
- Example 2: Display Object w/ Parameters



# Services / Models

- /model folder for auto-wiring Services
- Site, Theme, display\_object, and plugin level
- Reusable CFCs to store business logic
- Same as "models" or "service layers" in any OO app
- `$.getBean( "your CFC name" )`
- Example 3: Display Object With Model



# Mura.js

- Mura's quasi-replacement for jQuery
- Does *some* of the same things as jQuery
- select DOM elements, register events (onclick, onsubmit, etc)



# Mura.js (cont)

- m() - Same as Mura \$ scope but client side
- Mura core uses Mura.js instead of jQuery
- Can still add jQuery on your site too
- Can mix and match m() and jQuery
- Includes functions for manipulating Display Objects on the client-side.



# Useful Mura.js methods

- `empty()` - empty the Display Object
- `data()` - get the "data-" attributes from the wrapper DIV
- `appendDisplayObject()` - put a new instance of the Display Object inside our wrapper DIV
- Example 4: Mura.js Functions



# Useful Mura.js methods

- extend() - clone an existing Display Object metadata and make a new instance of it
- Use data() to copy data from the previous Display Object, then add/update properties in the new instance
- Example 5: Mura.js Extend Data



# Putting It All Together

Infinite Scrolling Demo



# Real World Example!

- FirmOfTheFuture.com
- Uses all the concepts we just talked about.
- Display Object for sub-topic pages
- "View All" turns on infinite scrolling
- Exact same JavaScript in the demo site
- I wrote that. :)



# Questions? Comments?

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Thanks!

